

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method in a computer system for failover when at least one of a first network adapter and a data path through the first network adapter fails, wherein the computer system includes a filter driver, and wherein the first network adapter is connected to a second network adapter, comprising:

receiving, with the filter driver, a path fail notification that at least one of the first network adapter and the data path through the first network adapter has failed; [[and]]

rerouting, with the filter driver, packets directed to the first network adapter to the second network adapter; and

changing, with the filter driver, a success status of each packet that had been directed to the first network adapter before the path fail notification was received to a busy status, wherein the change in status causes each packet to be reissued.

2. (Cancelled)

3. (Original) The method of claim 1, further comprising:
determining, with the filter driver, a new data path including the second network adapter.

4. (Original) The method of claim 1, further comprising:
receiving, with the filter driver, a notification that the first network adapter is restored;
and
determining, with the filter driver, a data path for new data packets based on whether the notification specified a new data path.

5. (Original) The method of claim 1, further comprising:
designating, with the filter driver, a first storage device stack as a primary storage device stack in response to building the first storage device stack for a logical unit; and

designating, with the filter driver, a subsequent storage device stack as a secondary storage device stack in response to building the subsequent storage device stack for the logical unit.

6. (Original) The method of claim 5, further comprising:
preventing, with the filter driver, file system mounting on the secondary storage device stack.

7. (Currently Amended) A method for failover when at least one of a network adapter and a data path through the network adapter fails, wherein the network adapter is connected to a miniport driver that is connected to a filter driver, comprising:
determining, with the miniport driver, that the network adapter has failed; and
using a callback interface to notify ~~notifying~~, with the miniport driver, the filter driver that the network adapter has failed.

8. (Original) The method of claim 7, further comprising:
specifying, with the miniport driver, a new data path to be used by the filter driver for rerouting packets.

9. (Original) The method of claim 7, further comprising:
completing, with the miniport driver, processing of pending packets directed to the first network adapter with a success status.

10. (Original) The method of claim 7, further comprising:
determining, with the miniport driver, that the network adapter is restored; and
notifying, with the miniport driver, the filter driver that the network adapter is restored.

11-16. (Cancelled)

17. (Currently Amended) A system coupled to a network and data storage,
comprising:

a host computer;
a storage controller managing Input/Output (I/O) access to the data storage, wherein the storage controller is coupled to the host computer;
a first network adapter
a second network adapter;
and
a filter driver at the host computer, wherein the filter driver is capable of receiving a path fail notification that at least one of the first network adapter and a data path through the first network adapter has failed, [[and]] rerouting packets directed to the first network adapter to the second network adapter; changing a success status of each packet that had been directed to the first network adapter before the path fail notification was received to a busy status, wherein the change in status causes each packet to be reissued.

18. (Cancelled)

19. (Original) The system of claim 17, wherein the filter driver is further capable of: determining a new data path including the second network adapter.

20. (Original) The system of claim 17, wherein the filter driver is further capable of: receiving a notification that the first network adapter is restored; and determining a data path for new data packets based on whether the notification specified a new data path.

21. (Original) The system of claim 17, wherein the filter driver is further capable of: designating a first storage device stack as a primary storage device stack in response to building the first storage device stack for a logical unit; and designating a subsequent storage device stack as a secondary storage device stack in response to building the subsequent storage device stack for the logical unit.

22. (Original) The system of claim 21, wherein the filter driver is further capable of: preventing file system mounting on the secondary storage device stack.

23. (Currently Amended) A system coupled to a network and data storage, comprising:

- a host computer;
- a storage controller managing Input/Output (I/O) access to the data storage, wherein the storage controller is coupled to the host computer;
- a filter driver at the host computer;
- at least two network adapters at the host computer; and
- a miniport driver at the host computer, wherein the miniport driver is capable of determining that at least one of the network adapters has failed and using a callback interface to notify ~~notifying~~ the filter driver that the network adapter has failed.

24. (Original) The system of claim 23, wherein the miniport driver is further capable of:

- specifying a new data path to be used by the filter driver for rerouting packets.

25. (Original) The system of claim 23, wherein the miniport driver is further capable of:

- completing processing of pending packets directed to the failed network adapter with a success status.

26. (Original) The system of claim 23, wherein the miniport driver is further capable of:

- determining that the failed network adapter is restored; and
- notifying the filter driver that the failed network adapter is restored.

27-32. (Cancelled)

33. (Currently Amended) An article of manufacture comprising a storage medium having stored therein instructions that when executed by a computing device results in the following:

at a filter driver,

receiving a path fail notification that at least one of a first network adapter and a data path through the first network adapter has failed; [[and]]

rerouting packets directed to the first network adapter to the second network adapter; and changing, with the filter driver, a success status of each packet that had been directed to the first network adapter before the path fail notification was received to a busy status, wherein the change in status causes each packet to be reissued for processing again by the filter driver.

34. (Cancelled)

35. (Original) The article of manufacture of claim 33, the instructions when executed further result in the following:

determining a new data path including the second network adapter.

36. (Original) The article of manufacture of claim 33, the instructions when executed further result in the following:

receiving a notification that the first network adapter is restored; and

determining a data path for new data packets based on whether the notification specified a new data path.

37. (Original) The article of manufacture of claim 33, the instructions when executed further result in the following:

designating a first storage device stack as a primary storage device stack in response to building the first storage device stack for a logical unit; and

designating a subsequent storage device stack as a secondary storage device stack in response to building the subsequent storage device stack for the logical unit.

38. (Original) The article of manufacture of claim 37, the instructions when executed further result in the following:

preventing file system mounting on the secondary storage device stack.

39. (Currently Amended) An article of manufacture comprising a storage medium having stored therein instructions that when executed by a computing device results in the following:

at a miniport driver,

determining that the network adapter has failed; and
using a callback interface to notify ~~notifying the~~ a filter driver that the network adapter has failed.

40. (Original) The article of manufacture of claim 39, the instructions when executed further result in the following:

specifying a new data path to be used by the filter driver for rerouting packets.

41. (Original) The article of manufacture of claim 39, the instructions when executed further result in the following:

completing processing of pending packets directed to the first network adapter with a success status.

42. (Original) The article of manufacture of claim 39, the instructions when executed further result in the following:

determining that the network adapter is restored; and
notifying the filter driver that the network adapter is restored.

43-48. (Cancelled)